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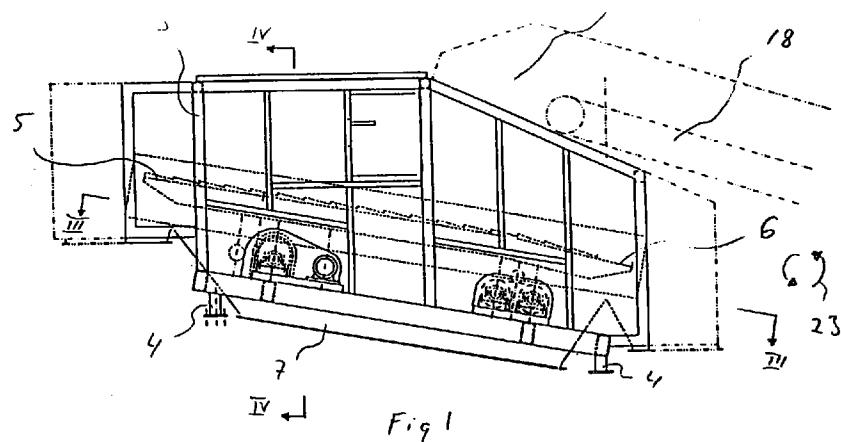
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(54) Separator for industrial waste

(57) The present invention relates to a ballistic waste separator. The separator includes an inclining shaker table with at least four screen elements (1). The material mix which is to be separated is released onto the screen elements (1). These execute a rotational movement with an amplitude and at a speed which result in hard material bouncing on the elements (1) and being discharged at the lower end (6) while soft and flexible material which does not bounce against the shaker table migrates upwards and is discharged at the

upper end (5). The screen elements (1) are driven by a drive motor (10) via crankshaft arrangements as a synchronous unit in such a manner that every second element assumes the highest and lowest position simultaneously. Each crankshaft arrangement includes two crankshafts (12) interconnected via an intermediate shaft (13) and a transmission (14). Each crankshaft (12) does not support more than two or three screen elements (1).



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EUROPEAN SEARCH REPORT

Application Number
EP 98 10 5192.3

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl.6)												
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim													
X	US 5611435 A (REINHARD GÖSCHL), 18 March 1997 (18.03.97) * column 2, line 63 - column 3, line 52 *	1-2	B07B 13/00												
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A	SE 402409 B (AZ SELLBERGS AB), 3 July 1978 (03.07.78) * page 3, line 30 - page 5, line 6 *	1-10													

The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.6)												
			B07B												
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Place of search</td> <td style="width: 33%;">Date of completion of the search</td> <td colspan="2" style="width: 34%;">Examiner</td> </tr> <tr> <td>STOCKHOLM</td> <td>8 September 1998</td> <td colspan="2">ULLA GRANLUND</td> </tr> </table>				Place of search	Date of completion of the search	Examiner		STOCKHOLM	8 September 1998	ULLA GRANLUND					
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">CATEGORY OF CITED DOCUMENTS</td> <td style="width: 50%;">T : theory or principle underlying the invention</td> </tr> <tr> <td>X : particularly relevant if taken alone</td> <td>E : earlier patent document, but published on, or after the filing date</td> </tr> <tr> <td>Y : particularly relevant if combined with another document of the same category</td> <td>D : document cited in the application</td> </tr> <tr> <td>A : technological background</td> <td>L : document cited for other reasons</td> </tr> <tr> <td>O : non-written disclosure</td> <td>& : member of the same patent family, corresponding document</td> </tr> <tr> <td>P : intermediate document</td> <td></td> </tr> </table>				CATEGORY OF CITED DOCUMENTS	T : theory or principle underlying the invention	X : particularly relevant if taken alone	E : earlier patent document, but published on, or after the filing date	Y : particularly relevant if combined with another document of the same category	D : document cited in the application	A : technological background	L : document cited for other reasons	O : non-written disclosure	& : member of the same patent family, corresponding document	P : intermediate document	
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